

SUPPLEMENTAL AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Serial Number: 10/674953

Filing Date: September 29, 2003

Title: GUN SIGHT AND METHOD FOR HITTING A MOVING TARGET

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IN THE CLAIMS

1. (Currently Amended) A gun sight for attachment to a gunbarrel the gun sight comprising:
a first plurality of sight indicators configured to aim the gunbarrel to compensate for motion of a target including a first sight indicator configured to be closer to the gunbarrel, and a second sight indicator, smaller than the first sight indicator and configured to be further from the gunbarrel, both along a first direction that extends from the gunbarrel.

2. (Previously Presented) The gun sight of claim 1, further comprising:
a second plurality of sight indicators including a fourth sight indicator located to be closer to the gunbarrel, and a fifth sight indicator, smaller than the fourth sight indicator and located to be further from the gunbarrel, both along a second direction that extends from the gunbarrel;

a third plurality of sight indicators including a sixth sight indicator located to be closer to the gunbarrel, and a seventh indicator, smaller than the sixth sight indicator and located to be further from the gunbarrel, both along a third direction that extends from the gunbarrel in a direction opposite the second direction;

a fourth plurality of sight indicators including an eighth sight indicator located to be closer to the gunbarrel, and a ninth indicator, smaller than the eighth sight indicator and located to be further from the gunbarrel, both along a fourth direction that extends from the gunbarrel in an angled direction between the second direction and the first direction; and

a fifth plurality of sight indicators including a tenth sight indicator located to be closer to the gunbarrel, and an eleventh indicator, smaller than the tenth sight indicator and located to be further from the gunbarrel, both along a fifth direction that extends from the gunbarrel in an angled direction between the third direction and the first direction; and

wherein the gun sight is configured to be attached to the gunbarrel such that the first direction extends substantially vertically above the gunbarrel, and such that the second direction and third direction both extend substantially horizontally relative to the gunbarrel when the gunbarrel is held in a shooting position.

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3. (Original) The gun sight of claim 1, wherein the first plurality of sight indicators further includes a third sight indicator configured to be between the first sight indicator and the second sight indicator along the first direction, and having a size between the size of the first sight indicator and the size of the second sight indicator.
4. (Original) The gun sight of claim 1, wherein the gun sight is configured to be attached to the gunbarrel such that the first sight indicator and the second sight indicator are both located vertically above the gunbarrel.
5. (Original) The gun sight of claim 1, further comprising a substantially straight visible first line located substantially along the first direction to show a connection of the first sight indicator to the second sight indicator.
6. (Withdrawn) The gun sight of claim 5, wherein the first sight indicator and the second sight indicator are formed of a substantially open structure.
7. (Withdrawn) The gun sight of claim 1, wherein the first sight indicator and the second sight indicator are formed of a wire.
8. (Withdrawn) The gun sight of claim 1, wherein the first sight indicator and the second sight indicator are formed of an elongated cast material having a low aspect ratio.
9. (Withdrawn) The gun sight of claim 1, wherein the first sight indicator and the second sight indicator are formed of metal thin enough to substantially not block a view of a target.
10. (Original) The gun sight of claim 1, wherein the first sight indicator and the second sight indicator are formed on a transparent substrate.

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11. (Original) The gun sight of claim 1, further comprising:
a second plurality of sight indicators including a fourth sight indicator located to be closer to the gunbarrel, and a fifth sight indicator, smaller than the fourth sight indicator and located to be further from the gunbarrel, both along a second direction that extends from the gunbarrel.
12. (Original) The gun sight of claim 10, wherein the gun sight is configured to be attached to the gunbarrel such that the first direction extends vertically above the gunbarrel, and such that the second direction extends substantially perpendicular to the first direction.
13. (Previously Presented) A gun sight for attachment to a gunbarrel the gun sight comprising:
a first plurality of sight indicators configured to aim the gunbarrel to compensate for motion of a target including a first sight indicator configured to aim closer to the gunbarrel, and a second sight indicator, smaller than the first sight indicator and configured to aim further from the gunbarrel, both along a first direction that extends from the gunbarrel;
a second plurality of sight indicators including a fourth sight indicator located to be closer to the gunbarrel, and a fifth sight indicator, smaller than the fourth sight indicator and located to be further from the gunbarrel, both along a second direction that extends from the gunbarrel; and
a third plurality of sight indicators including a sixth sight indicator located to be closer to the gunbarrel, and an seventh indicator, smaller than the sixth sight indicator and located to be further from the gunbarrel, both along a third direction that extends from the gunbarrel in a direction opposite the second direction, and wherein the gun sight is configured to be attached to the gunbarrel such that the first direction extends substantially vertically above the gunbarrel, and such that the second direction and third direction both extend substantially perpendicular to the first direction.
14. (Currently Amended) A method comprising:
providing a substantially transparent substrate;
configuring the substrate to be attached to a gunbarrel; and
affixing to the substrate a first plurality of sight indicators configured to aim the gunbarrel to compensate for motion of a target including a first sight indicator located to be

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closer to the gunbarrel, and a second sight indicator, smaller than the first sight indicator and located to be further from the gunbarrel, both along a first direction that extends from the gunbarrel.

15. (Original) The method claim 14, further comprising:

affixing to the substrate a third sight indicator at a location between the first sight indicator and the second sight indicator along the first direction, and the third sight indicator having a size between the size of the first sight indicator and the size of the second sight indicator.

16. (Original) The method of claim 14, wherein the configuring of the substrate to be attached to gun sight includes configuring such that the first sight indicator and the second sight indicator are located vertically above the gunbarrel.

17. (Original) The method of claim 14, further comprising:

affixing to the substrate a first visible line located to connect the first sight indicator to the second sight indicator.

18. (Previously Presented) The method of claim 14, further comprising:

affixing to the substrate a second plurality of sight indicators including a fourth sight indicator located to be closer to the gunbarrel, and a fifth sight indicator, smaller than the fourth sight indicator and located to be further from the gunbarrel, both along a second direction that extends from the gunbarrel;

affixing to the substrate a third plurality of sight indicators including a sixth sight indicator located to be closer to the gunbarrel, and a seventh indicator, smaller than the sixth sight indicator and located to be further from the gunbarrel, both along a third direction that extends from the gunbarrel in a direction opposite the second direction;

affixing to the substrate a fourth plurality of sight indicators including an eighth sight indicator located to be closer to the gunbarrel, and a ninth indicator, smaller than the eighth sight indicator and located to be further from the gunbarrel, both along a fourth direction that extends

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from the gunbarrel in an angled direction between the second direction and the first direction;
and

affixing to the substrate a fifth plurality of sight indicators including an tenth sight indicator located to be closer to the gunbarrel, and an eleventh indicator, smaller than the tenth sight indicator and located to be further from the gunbarrel, both along a fifth direction that extends from the gunbarrel in an angled direction between the third direction and the first direction; and

wherein the configuring of the substrate to be attached to gun sight includes configuring such that the first direction extends substantially vertically above the gunbarrel, and such that the second direction and third direction both extend substantially horizontally relative to the gunbarrel when the gunbarrel is held in a shooting position.

19. (Previously Presented) An apparatus comprising:

a gun sight configured to be attached to a gunbarrel; and
means on the gun sight for sighting a target to allow positioning of the gunbarrel to compensate for a distance to the target and for a motion of the target.

20. (Original) The apparatus of claim 19, further comprising
means for removably attaching the gun sight to a firearm.

21. (Original) The apparatus of claim 19, further comprising
a firearm attached to the gun sight.

22. (Original) The apparatus of claim 19, wherein the means for sighting the target
further comprises a plurality of different-sized indicator means.

23. (Previously Presented) The apparatus of claim 22, wherein the plurality of different-sized
indicator means includes:

a first plurality of sight indicator means including a first sight indicator means located to
be closer to the gunbarrel, and a second sight indicator means, smaller than the first sight

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indicator means and located to be further from the gunbarrel, both along a first direction that extends substantially vertically from the gunbarrel;

a second plurality of sight indicator means including a fourth sight indicator means located to be closer to the gunbarrel, and a fifth sight indicator means, smaller than the fourth sight indicator means and located to be further from the gunbarrel, both along a second direction that extends substantially horizontally from the gunbarrel;

a third plurality of sight indicator means including a sixth sight indicator means located to be closer to the gunbarrel, and a seventh indicator means, smaller than the sixth sight indicator means and located to be further from the gunbarrel, both along a third direction that extends substantially horizontally from the gunbarrel in a direction substantially opposite the second direction;

a fourth plurality of sight indicator means including an eighth sight indicator means located to be closer to the gunbarrel, and a ninth indicator means, smaller than the eighth sight indicator means and located to be further from the gunbarrel, both along a fourth direction that extends from the gunbarrel in an angled direction between the second direction and the first direction; and

a fifth plurality of sight indicator means including a tenth sight indicator means located to be closer to the gunbarrel, and an eleventh indicator means, smaller than the tenth sight indicator means and located to be further from the gunbarrel, both along a fifth direction that extends from the gunbarrel in an angled direction between the third direction and the first direction.

24. (Previously presented) The gun sight of claim 1, further comprising:

a clamping system having a fixed portion configured to be held to the gunbarrel and a movable clamp portion configured to clamp the gun sight between the fixed portion and the movable clamp portion.

25. (Previously presented) The gun sight of claim 1, further comprising:

a clamping system having a fixed portion configured to be held to the gunbarrel and a movable clamp portion configured to clamp the gun sight between the fixed portion and the

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movable clamp portion, and the removable clamp portion engages with the fixed portion using mating threads.

26. (Previously Presented) An apparatus comprising:

an attachment mechanism operable to connect to a firearm having a gunbarrel; and
means for compensating for a target motion by directing a horizontal component of aiming relatively further from an axis of the gunbarrel for a further target and relatively closer to the gunbarrel axis for a nearer target.